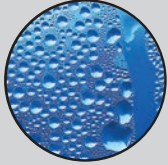


WHAT TO TEST

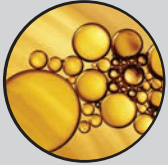
PARTICLES



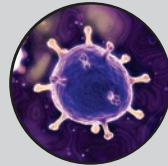
WATER



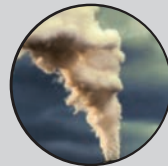
OIL



MICRO



GASES



WHY TEST

If the compressed air becomes contaminated, it will adversely affect the quality of the product.

Proper assessment of the compressed air system, and regular testing can prevent serious contamination and promote the overall health of the system. Ensuring that compressed air is not a source of contamination is essential to producing a high-quality product.

Prevent product contamination

Rusty Particles
Excess Water
Oily Piping
Mold and Bacteria

Meet certification requirements

SQF - Safe Quality Food
FDA - Food and Drug Administration
BCAS - British Compressed Air Society
primusGFS - GFSI Scheme

Monitor the health of your system

Compressor Fittings
Distribution Piping
Storage Receivers

Verify equipment requirements

Class 0 Oil
Clean Dry Air
Particle-Free

Does your compressed air come in direct or indirect contact with your product?

Have you performed a Risk Assessment?

SQF Module 11.5.7 requires compressed air to be "regularly monitored for quality and microbiological purity."

The 8th edition now includes additional monitoring for other gases such as nitrogen and carbon dioxide.

HOW TO TEST

ISO 8573 is an internationally recognized standard that defines major contaminants in compressed air and presents a comprehensive system for air purity designations. Relating to products, services, and systems, ISO 8573 helps ensure safety and quality in a manufacturer's end product. It is a **common language** available to the manufacturer, compressed air system supplier, and compressed air testing laboratory.

TRACE Analytics LLC Samples are submitted to our ISO 17025 accredited laboratory

starter package

BASIC

QUALITY RANGE*

For low-risk use and tight deadlines

Particles reported by mass weight

*Unless specific classes are chosen, laboratory will report within Basic Range

LOW RISK

VALUE

QUALITY RANGE*

For general audit and quality needs

*Unless specific classes are chosen, laboratory will report within Value Range

MEDIUM-LOW RISK

PRO

For meeting corporate and global quality standards

0.1-0.5 micron particle size measurement available with LPC only - Request a Quote

Specific purity classes must be chosen

HIGH RISK

GAS TESTING

*Gas testing separate from packages. Specialty gases and gas purity testing available upon request.

MICRO TESTING

*Microbiological Testing: total plate count for Mold, Yeast, and Bacteria.

We provide trained technicians to prepare your sampling ports and take your compressed air samples.



BASELINE

Not sure what limits you need?

- EASY - WE REPORT WHICH CLASSES YOU MEET
- COMPREHENSIVE - FULL RANGE OF PURITY LEVELS

DIAGNOSTIC TESTS
CUSTOM SPECIFICATIONS
AVAILABLE

ISO 8573 PURITY CLASSES

PARTICLES

CLASSES 6 - 7

CLASSES 3 - 5

CLASSES 1, 2, 3, 4, 5, 6, 7

WATER

CLASSES 1 - 6

CLASSES 1 - 6

CLASSES 1 - 6

OIL

CLASSES 3 - 4

CLASSES 3 - 4

CLASSES 1, 2, 3, 4

Your Audit Guide

Understanding your **auditor's terminology** is essential to interpreting their **requirements and passing your next audit**. But even more importantly, knowing the proper terms and how to use them prevents miscommunication that can cost you time and money.

ISO 8573

ISO 8573 is an internationally recognized standard that defines major contaminants in compressed air and presents a comprehensive system for air purity designations. Testing according to this standard will help ensure that you are able to meet audit requirements.

- Includes limits and sampling techniques for **Particles, Water, and Oil**
- Same standard used by filter manufacturers
- Purity limits appropriate for many different uses
- Purity classes 0-9, [P:W:O]

REGULATING ASSOCIATIONS

The food industry is currently in a state of flux with regard to regulations. There are many different regulating organizations, and you may subscribe to one or many of their requirements. Stay up-to-date.

- **SQF** Safe Quality Food Institute
- **GFSI** Global Food Safety Initiative
- **FDA** Food & Drug Administration
- **IFS** International Featured Standards on Food
- **BRC** British Retail Consortium
- **FESP** Canadian Food Safety Enhancement Program
- **FSSC** Food Safety System Certification

AUDIT

Many manufacturers only begin testing their compressed air because of audit requirements or even audit deficiencies. Knowing quality requirements and how to apply preventative measures is crucial to creating a safe product, decreasing recalls, and taking proactive steps to passing your next audit.

Audit Lingo as it applies to Compressed Air:

- **HACCP** – a preventative management system that identifies and analyzes hazards to food safety
- **Analysis Hazards** – Compressed Air Contaminants: Particles, Water, Oil, and Microorganisms
- **Critical Control Points** – Wherever compressed air comes into contact with the product or could become contaminated: Point of Use, Valves, In-line filters, etc.
- **CCP Preventative Measures** – Filter and Purification Equipment
- **Monitoring of CCP Preventative Measures** – Regular testing of compressed air (quarterly, annually, etc.)
- **HACCP and CCP Log** – Controlled document detailing the regular testing of compressed air and maintenance of filtration systems

More training and information: